The Newborn Screening System: A theoretical framework

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Newborn Screening

- Each year, more than 4 million U.S. infants are screened to detect conditions that threaten their life and long-term health.
- Newborn screening programs are located in state public health agencies.



What is Newborn Screening?

- An <u>essential</u> public health <u>program</u> that prevents catastrophic health consequences.
- A <u>complex system</u> of testing, evaluation, and treatment.

Environmental Context (U.S.)

- Nation with culturally diverse population
- Advances in science Human Genome Project
- Advances in Information technology
- Public health agency roles changing-less direct services
- Federal-state division of responsibility
- Health care delivery and financing
 - More children using publicly-subsidized health coverage

Principles for Developing Newborn Screening Programs

- Infants should benefit from/be protected by newborn screening programs
- Public health agencies should assume responsibility for oversight of newborn screening systems

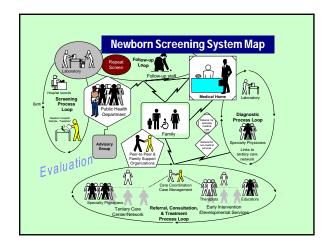
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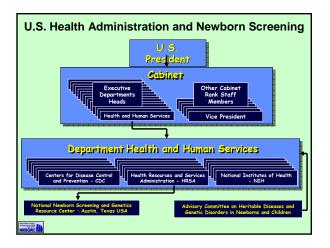
- Standards and guidelines for newborn screening should be consistently applied
- Uniformity benefits families, professionals, and public health agencies
- Newborn screening systems should link to a medical home

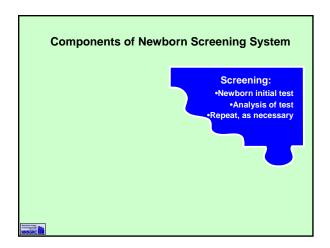
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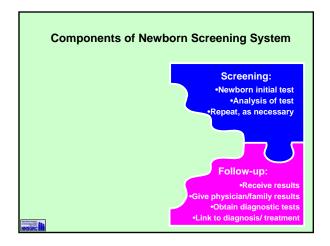
Newborn Screening

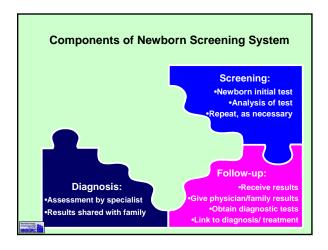
- Family Members
- Primary Health Care Professionals
- Laboratory Personnel
- Administrative and Follow-up Personnel
- Specialty Care Centers
- Source(s) of Payment
- Policy Makers
- Manufacturers



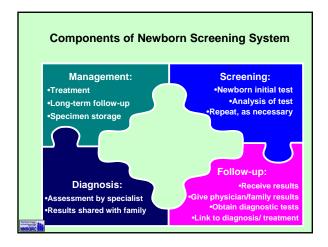


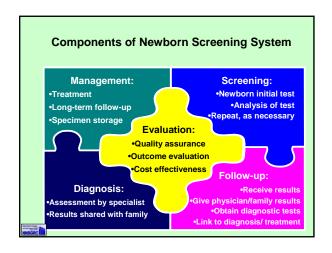


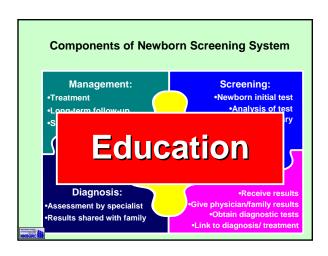


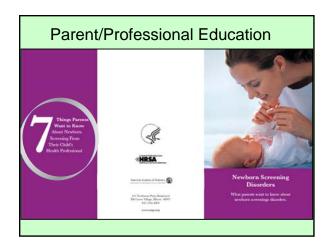


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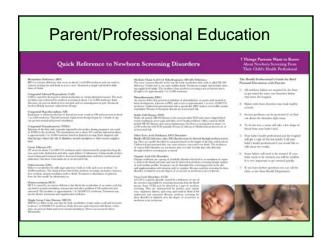


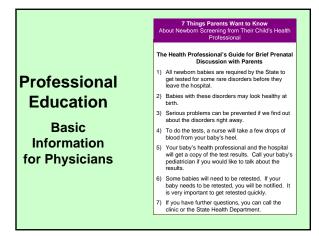


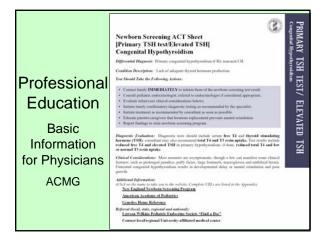
"Need-to-know" Information for Parents

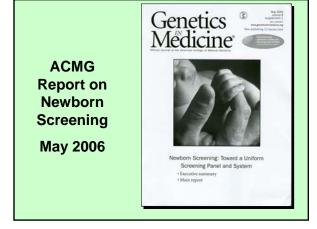
- · All babies are screened
- Screening will benefit the baby
- · Testing is safe- not harmful
- The baby may need to be **retested**
- Parents will be **notified if** retesting is needed
- Its important to act quickly if retesting is necessary

Cost of screening and consent are not important











Newborn Screening is more than a test—it is a complex system of services